



UNITED STATES DEPARTMENT OF COMMERCE  
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APPLICATION NUMBER	FILING DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
08/386,912	02/08/95	MARTIN	H 1096.48022
			EXAMINER

26M1/0204

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BURGESS	PAPER NUMBER
701 UNIT	12

2602

DATE MAILED:  
02/04/97

This is a communication from the examiner in charge of your application.  
COMMISSIONER OF PATENTS AND TRADEMARKS

### OFFICE ACTION SUMMARY

- ☒ Responsive to communication(s) filed on 11/12/96
- ☒ This action is FINAL.
- ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 D.C. 11; 453 O.G. 213.

A shortened statutory period for response to this action is set to expire 3 month(s), or ~~thirty days~~, whichever is longer, from the mailing date of this communication. Failure to respond within the period for response will cause the application to become abandoned. (35 U.S.C. § 133). Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

#### Disposition of Claims

- ☒ Claim(s) 1-37 is/are pending in the application.  
Of the above, claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- ☒ Claim(s) 1-37 is/are rejected.
- ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- ☐ Claim(s) \_\_\_\_\_ are subject to restriction or election requirement.

#### Application Papers

- ☐ See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948.
- ☐ The drawing(s) filed on \_\_\_\_\_ is/are objected to by the Examiner.
- ☐ The proposed drawing correction, filed on \_\_\_\_\_ is ☐ approved ☐ disapproved.
- ☐ The specification is objected to by the Examiner.
- ☐ The oath or declaration is objected to by the Examiner.

#### Priority under 35 U.S.C. § 119

- ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).
- ☐ All ☐ Some\* ☐ None of the CERTIFIED copies of the priority documents have been
- ☐ received.
- ☐ received in Application No. (Series Code/Serial Number) \_\_\_\_\_
- ☐ received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\*Certified copies not received: \_\_\_\_\_

- ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e).

#### Attachment(s)

- ☐ Notice of Reference Cited, PTO-892
- ☒ Information Disclosure Statement(s), PTO-1449, Paper No(s). 11
- ☐ Interview Summary, PTO-413
- ☐ Notice of Draftsperson's Patent Drawing Review, PTO-948
- ☐ Notice of Informal Patent Application, PTO-152

--SEE OFFICE ACTION ON THE FOLLOWING PAGES--

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**Part III DETAILED ACTION**

*Response to Amendment*

1. Applicant's arguments with respect to claims 1-37 have been considered but are moot in view of the new ground(s) of rejection.

*Claim Rejections - 35 USC § 112*

Claims 1-20, 22, 23 and 27-37 are rejected under 35 U.S.C. 112, first paragraph, as containing subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention. The specification as originally filed fails to adequately support the newly added material to the claims.

For example, the added materials "and for incrementally scanning across said digital data between points", recited in claim 1, line 10 and claim 11, line 9; "and then processing the stored digital data incrementally in the direction of another point", claim 23, lines 5-6; "for processing the stored digital data in the direction of another point", claim 22, lines 9-10; "wherein the data structure allows image processing to occur for incremental portions between points", claim 27, lines 3-4; and

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"and for converting said stored digital data representing another portion, incrementally different from said first portion in the direction of another point", lines 8-9, are not support by the originally filed specification.

"It is noted that the "new matter" added to the claims will not be considered and the claims are examined as originally presented".

*Claim Rejections - 35 USC § 102*

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. § 102 that form the basis for the rejections under this section made in this Office action:

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

3. Claims 1-20, 22, 23, 24, 25 and 27-36, are rejected under 35 U.S.C. § 102(e) as being anticipated by Zimmermann.

Zimmermann discloses a signal processor for converting digital images for use in an imaging system (Fig. 1), having:

❖ digital data memory means (4) for storing digital data representing an image having the properties of a

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circular field-of-view and objects in the field being substantially in focus (see, col. 5, lines 13-17) ;

- ⌘ a control input means (5) for receiving a signal representing a selection of a portion of the image (Note: All selection is within the field of view.); and
- ⌘ a converter means (6 and 7), responsive to the control input, for converting stored digital data in the digital data memory representing the selected portion into digital data representing a planar image for display (see, col. 4, lines 13-16), as claimed in claims 1, 5, 11, 15.

B. In considering claims 2 and 12, see col. 5, line 20 to col. 7, line 55.

C. In considering claims 3, 7, 13 and 16 see col. 44-47.

D. In considering claims 4 and 14, see col. 5, lines 20-38.

E. In considering claims 6 and 17, see figure 1, means (1).

F. In considering claims 8, 9, 18 and 19, see col. 3, lines 39-43.

G. In considering claims 10, 20, 22, 23 see col. 3, lines 57-64.

H. In considering the invention set-forth in claim 24, means (12) satisfies the claimed "remote alarm".

I. In considering the invention set-forth in claim 25, the "calibration coefficients which are modified to correct for

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various lenses" is satisfied by the disclosure at col. 3, lines 50-52.

J. In considering claim 27, see figure 1, means (4, 5, 6 and 7).

K. In considering claim 26, see col. 7, lines 15-54.

L. In considering claims 28 and 29, Zimmermann discloses:

- ❖ memory means (4) for storing digital data representing an input image having the properties of a circular field-of-view and objects in the field-of-view being substantially focus (see col. 5, lines 13-17);
- ❖ a control input means (5) for receiving a signal representing a selection of a portion of the input image; and
- ❖ a digital converter (6 and 7), responsive to the control input, for converting stored digital data in the memory representing the selected portion of the input image into digital data representing a planar image, wherein the planar image is one of a panned, tilted, rotated and magnified version of the input image (see col. 3, lines 39-55), as claimed.

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M. In considering claim 30, see figure 1, means (1).

N. In considering claim 31, see figure 1, means (10).

*Claim Rejections - 35 USC § 103*

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

5. Claim 21 is rejected under 35 U.S.C. 103(a) as being unpatentable over Zimmermann.

Zimmermann discloses a signal processor for converting digital images for use in an imaging system (Fig. 1), having:

- ❖ digital data memory means (4) for storing digital data representing an image having the properties of a circular field-of-view and objects in the field being substantially in focus (see, col. 5, lines 13-17) ;
- ❖ a control input means (5) for receiving a signal representing a selection of a portion of the image (Note: All selection is within the field of view.); and
- ❖ a converter means (6 and 7), responsive to the control input, for converting stored digital data in the digital data memory representing the selected portion

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into digital data representing a planar image for display (see, col. 4, lines 13-16).

Although Zimmermann fails to directly disclose that the digital data represents planar views for simultaneous display, such as claimed, such a modification to Zimmermann would have been obvious to a person having ordinary skill in the art. A person having ordinary skill in the art would have found it advantageous to modify Zimmermann by employing additional display means so as to simultaneously view the selected image from remote locations.

#### ***Conclusion***

6. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for response to this final action is set to expire THREE MONTHS from the date of this action. In the event a first response is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire

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on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event will the statutory period for response expire later than SIX MONTHS from the date of this final action.

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Glen Burgess whose telephone number is (703) 305-4792. The examiner can normally be reached on Tuesday-Friday from 8:00am to 5:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Peng, can be reached on (703) 305-4702. The fax phone number for this Group is (703) 305-3988.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 305-4700.

Glen Burgess  
24 January 1997

  
**GLENTON B. BURGESS**  
**PATENT EXAMINER**  
**GROUP 2600**